



PHYTO-PHARMACOLOGICAL MEDICINAL COMPOSITION FOR TREATMENT OF AIDS, CANCER, AND NEUROLOGICAL DISEASES

FIELD OF THE INVENTION

The present invention relates to a phyto-pharmacological medicinal product for
5 the treatment of Acquired Immune Deficiency Syndrome (AIDS), cancer, and
neurological diseases and more particularly to a medicinal product or composition
comprising contents and/or extracts of *Prunus armeniaca*, *Cocos nucifera*, *Humulus*
lupulus; germinated barley, germinated rye, or germinated wheat; mycetes; the liquid
obtained by alcoholic fermentation of the juice of grapes; *Musa* plants; and *Rubus* leaves.

BACKGROUND OF THE INVENTION

From the state of the art, a plurality of medicinal products are known for the
treatment of AIDS, cancer, or neurological diseases, which on the one hand have
considerable manufacturing costs and on the other hand are associated with a limited
spectrum of effectiveness.

SUMMARY OF THE INVENTION

The object of the present invention is therefore to make available a medicinal
product, which by the expenditure of extremely minor financial means can be easily and
rapidly manufactured and has a very broad spectrum of effectiveness.

In accordance with the invention this object is solved in accordance with a type of
20 medicinal product by means of the distinguishing part of the features given in Claim 1,
which are a medicinal product or composition comprising contents and/or extracts of
Prunus armeniaca, *Cocos nucifera*, *Humulus lupulus*; germinated barley, germinated rye,
or germinated wheat; mycetes; the liquid obtained by alcoholic fermentation of the juice

of grapes; *Musa* plants; and *Rubus* leaves.

DESCRIPTION OF PREFERRED EMBODIMENTS OF INVENTION

Particularly preferred embodiments are the subject of the dependent claims.

Within the framework of the present invention a medicinal product is provided,
5 which comprises as active ingredients a content of ingredients and/or extracts of *Prunus armeniaca*, *Cocos nucifera*, *Humulus lupulus*; germinated barley, germinated rye, or germinated wheat; mycetes; the liquid obtained by alcoholic fermentation of grape juice of grapevines; *Musa* plants; and *Rubus* leaves.

A particular advantage of these active components comprising medicinal products
10 in accordance with the invention is that they are available on the world market and obtained in large quantities at exceptionally favorable prices.

In accordance with the invention, the active ingredient components to be used in the medicinal product or composition as stated above can consist for example of pulp, multiple fruit, juice, milk, kernels, fibers, cell filaments, myzelles, endosperm, leaves,
15 blossoms, buds, hulls, or stalks.

The medicinal product or composition of the present invention can for example have a content of pulp or kernels of *Prunus armeniaca*; fibers or endosperm of *Cocos nucifera*; multiple fruit of *Humulus lupulus*; germinated barley, germinated oats, germinated rye, or germinated wheat; cell filaments or myzelles of mycetes; the liquid
20 obtained by alcoholic fermentation of the juice of grapes; the fruits or hulls of *Musa* plants; and *Rubus* leaves.

In a preferred embodiment, the medicinal product or composition in accordance with the present invention comprises in addition to the active ingredients stated above, or

extracts from the active ingredients, one or a plurality of common carrier materials, auxiliary means, and/or additives which can be processed as tablets, sugar coated tablets, suppositories, or drops.

As indicated, the medicinal product can, instead of or in addition to the solid components or contents of the active ingredients, comprise one or a plurality of extracts from the plant active ingredients or active plant components.

This extract can be obtained for example by solid-liquid or liquid-liquid extraction of the individual components or the entire active ingredient component mixture with the help of common extraction means, and by subsequent partial or complete evaporation of the extraction solution.

The extraction method may be a hot or cold extraction and a continuous or discontinuous extraction. Preferably, a continuous extraction method is used by means of Soxhlet extraction, perforation, or percolation. If the discontinuous extraction method is used, the method may employ shaking out, leaching out, or digestion.

In particularly preferred embodiments of the medicinal product of the present invention, the extract represents one of one fixed active ingredient content adjusted extract from one individual active ingredient, or from the entire mixture of active components. This extract can for example be obtained by means of maceration or percolation using ethanol or an ethanol-water mixture.

The extract used in accordance with the present invention can consist of, for example, a dry extract (*extracta sicca*) and/or a liquid extract (*extracta fluidica*) and/or a viscos extract (*extracta spissa*).

The medicinal product or composition of the present invention can for example be compounded in the form of a liquid to be taken in the form of drops, or an aerosol, or in the form of a solution for intravenous, intraarterial, intramuscular, subcutaneous, or intralumbar injection or infusion.

5 In an especially preferred embodiment, the medicinal product or composition of the present invention can have a content of ingredients and/or extracts of *Prunus armeniaca* in the range for example from 10 wt% to 20 wt%; *Cocos nucifera* in the range for example from 10 wt% to 20 wt%; *Humulus lupulus* in the range for example from 10 wt% to 20 wt%; germinated barley in the range for example from 10 wt% to 20 wt%,
10 germinated rye in the range for example from 10 wt% to 20 wt%, or germinated wheat in the range for example from 10 wt% to 20 wt%; mycetes in the range for example from 10 wt% to 20 wt%; the liquid obtained by alcoholic fermentation of the juice of grapes in the range for example from 10 wt% to 20 wt%; *Musa* plants in the range for example from 10 wt% to 20 wt%; and *Rubus* leaves in the range for example from 10 wt% to 20 wt%;
15 together with the usual carrier materials, auxiliary means, and/or additive materials.

The ranges of weight percent data referenced above are presented as examples. It is to be understood that the weight percentages of the active ingredient contents may vary case by case depending somewhat on the condition of the growth substrate.

20 For the medicinal product of the present invention, the mycetes active ingredient can for example be selected from the group consisting of chlorophyll-free, eukaryotic organisms, especially protoctista (fungus like protista) and/or fungi (higher fungi). More preferably, the active ingredient of mycetes can be selected from the group consisting of protoctista (lower fungi) such as myxomycete, myxomycete, acrasiomycete,

plasmodiophoromycote, labyrinthulomycote, oomycote, hypochytriomycote, and chytridiomycote; and fungi (higher fungi) such as zygomycote, ascomycete, endomycete, ascomycete, basidiomycota, ustomycete, basidiomycete; and imperfect fungi such as deutermycete.

5 The mycetes active ingredient can also include components and/or extracts of dermatophyte, yeast, and/or mildew.

 The liquid obtained by alcoholic fermentation of grapes active ingredient can, for example, be wine, preferably white wine or red wine and in particular wine from the Trollinger grape or Edelvernatsch.

10 Investigations have shown that the medicinal product of the present invention is effective in both solid and liquid form for the treatment among other things of Acquired Immune Deficiency Syndrome (AIDS) and is also suitable for the treatment of cancer, malignant tumors, carcinomas, sarcomas, and for the treatment of neurological diseases.

 In accordance with the present invention, the components and/or extracts of
15 *Prunus armeniaca*, *Cocos nucifera*, *Humulus lupulus*; germinated barley, germinated rye, or germinated wheat; mycetes; the liquid obtained by alcoholic fermentation of the juice of grapes; *Musa* plants; and *Rubus* leaves; can be formulated as a medicinal product or composition useful in the treatment of AIDS.

 Alternatively or additionally the components and/or extracts of *Prunus*
20 *armeniaca*, *Cocos nucifera*, *Humulus lupulus*; germinated barley, germinated rye, or germinated wheat; mycetes; the liquid obtained by alcoholic fermentation of the juice of grapes; *Musa* plants; and *Rubus* leaves; can be formulated as a medicinal product or composition useful in the treatment of cancer, malignant tumors, carcinomas, and

sarcomas.

Alternatively or additionally the components and/or extracts of *Prunus armeniaca*, *Cocos nucifera*, *Humulus lupulus*; germinated barley, germinated rye, or germinated wheat; mycetes; the liquid obtained by alcoholic fermentation of the juice of
5 grapes; *Musa* plants; and *Rubus* leaves; can be formulated as a medicinal product or composition useful in the treatment of diseases of the psyche or nervous system (e.g., neurological diseases).

It has been further shown that the components and/or extracts of *Prunus armeniaca*, *Cocos nucifera*, *Humulus lupulus*; germinated barley, germinated rye, or
10 germinated wheat; mycetes; the liquid obtained by alcoholic fermentation of the juice of grapes; *Musa* plants; and *Rubus* leaves; can be formulated as a medicinal product or composition useful in the treatment of diabetes diseases.

In summary it is noted that the present invention, based on the use of especially cost effective active ingredients or components and based on the ability to manufacture
15 the medicinal product or composition by simple manufacturing methods, permits for the first time a cost effective, simple, and rapid preparation of medicinal products having a very broad spectrum of effectiveness for the treatment of AIDS, cancer, and diseases of the psyche.